

Sky Harbor IAP (ANG), Phoenix, AZ Wastewater Collection System

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J4 Sky Harbor IAP (ANG), Phoenix, AZ Wastewater Collection System

J4.1 Sky Harbor IAP (ANG), Phoenix, AZ Overview

Sky Harbor International Airport is located in Maricopa County in central Arizona, approximately 120 miles northwest of Tucson and 10 miles southeast of Phoenix. Phoenix Sky Harbor International Airport is owned and operated by the City of Phoenix and is home to the 161st Air Refueling Wing. The base is located on the southern end of the airport on a 50 acre parcel with a total of 16 buildings; 2 administrative, and 14 industrial, amounting to approximately 236,000 square feet. Day-to-day activities are managed by a force of 287 full-time personnel. One weekend per month this population swells to more than 879 members during military training assemblies. The base has no residential or transient housing facilities. The mission of the 161st Air Refueling Wing is to train, equip, and maintain units and individuals to meet worldwide requirements for federal day-to-day and mobilization missions and state emergencies.

J4.2 Wastewater Collection System Description

J4.2.1 Wastewater Collection System Fixed Equipment Inventory

The Sky Harbor IAP (ANG), Phoenix, AZ wastewater collection system consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way. The system may include, but is not limited to, pipelines and manholes. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the wastewater collection system privatization are:

- Oil Water Separators
- Grease Traps
- Septic Tanks, Leach Fields
- Pre-Treatment Systems

J4.2.1.1 Description

The Sky Harbor IAP (ANG) wastewater collection system was constructed in 1999. It is a gravity system and exits the base at a single location. The wastewater collection system consists of approximately 5000 linear feet of PVC pipe ranging in size from 4 to 12 inches in diameter, 200

linear feet of ductile iron pipe ranging in size from 6 to 8 inches. Pipe depths range from 4 to 10 feet. Additionally, there are 19 pre-cast concrete manholes ranging from 6 to 10 feet in depth. Base personnel indicate the system capacity is adequate to meet current and future demands.

J4.2.1.2 Inventory

Table 1 provides a general listing of the major wastewater collection system fixed assets for the Sky Harbor IAP (ANG), Phoenix, AZ wastewater collection system included in the sale.

TABLE 1
Fixed Inventory
Wastewater Utility System Sky Harbor IAP (ANG), Phoenix, AZ

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
PVC Pipe				
	4	10	LF	1999
	6	261	LF	1999
	8	3742	LF	1999
	10	729	LF	1999
	12	246	LF	1999
Ductile Iron Pipe				
	6	37	LF	1999
	8	146	LF	1999
Standard Sanitary Sewer Manhole				
Precast, Concrete	6' deep, 4'dia	6	EA	1999
Precast Concrete	8' deep, 4'dia	10	EA	1999
Precast Concrete	10' deep, 4' dia	3	EA	1999

Notes:
PVC = Polyvinyl Chloride
LF = Linear Feet
EA = Each
No known tracer wire or warning tape was used this system

J4.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2

Spare Parts

Wastewater Collection System Sky Harbor IAP (ANG), Phoenix, AZ

Qty	Item	Make/Model	Description	Remarks
	None			

TABLE 3

Specialized Vehicles and Tools

Wastewater Collection System Sky Harbor IAP (ANG), Phoenix, AZ

Description	Quantity	Location	Maker
None			

J4.2.3 Wastewater Collection System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4

Manuals, Drawings, and Records

Wastewater Collection System Sky Harbor IAP (ANG), Phoenix, AZ

Qty	Item	Description	Remarks
	Construction Drawings	Drawings were prepared by Rust Engineering for the City of Phoenix, AZ, Title "AZ Air National Guard Base Relocation" dated April 90, Nov 96.	Drawings are not available in AUTOCAD

J4.3 Specific Service Requirements

The service requirements for the Sky Harbor IAP (ANG), Phoenix, AZ wastewater collection system are as defined in the Section C Description/Specifications/Work Statement.

J4.4 Current Service Arrangement

Provider Name: City of Phoenix

- **Annual Discharge:** 4,885,193 gallons (Based on water consumption in 1999)

J4.5 Secondary Metering

None

J4.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. **Invoice (IAW G.2).** The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. **Outage Report.** The Contractor's monthly outage report (blockage and overflow information) will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. **Infiltration and Inflow Report.** If required by Paragraph C.3, the Contractor shall submit an Infiltration and Inflow report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J4.7 Infiltration and Inflow (I&I) Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for managing and monitoring I&I.

None

J4.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Sky Harbor IAP (ANG), Phoenix, AZ boundaries.

J4.9 Off-Installation Sites

No off-installation sites are included in the sale of the Sky Harbor IAP (ANG), Phoenix, AZ wastewater collection system.

J4.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 5** provides a listing of service connections and disconnections required upon transfer.

TABLE 5

Service Connections and Disconnections

Wastewater Collection System Sky Harbor IAP (ANG), Phoenix, AZ

Location	Description
None	

J4.11 Government Recognized System Deficiencies

Table 6 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Sky Harbor IAP (ANG), Phoenix, AZ wastewater collection system. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 6

System Deficiencies

Wastewater Collection System Sky Harbor IAP (ANG), Phoenix, AZ

Project Location	Project Description
None	